

Title (en)

BALLAST WATER PRODUCTION METHOD AND BALLAST WATER TREATMENT SYSTEM

Title (de)

BALLASTWASSERHERSTELLUNGSVERFAHREN UND BALLASTWASSERBEHANDLUNGSSYSTEM

Title (fr)

PROCÉDÉ DE PRODUCTION D'EAU DE BALLAST ET SYSTÈME DE TRAITEMENT D'EAU DE BALLAST

Publication

EP 3266508 A1 20180110 (EN)

Application

EP 16758704 A 20160203

Priority

- JP 2015041925 A 20150304
- JP 2016053288 W 20160203

Abstract (en)

A ballast water production method includes a filtering step of passing raw water supplied into a housing (20) through a filter (21) from a primary side that is upstream of the filter (21) to a secondary side that is downstream of the filter; a volume-increasing step of, after the filtering step, increasing a volume of water present in a space on the secondary side of the housing (20) while the supply of the raw water into the housing (20) is stopped; a pressurizing step of, after the volume-increasing step, pressurizing an inside of the housing (20) from the secondary side while the supply of the raw water into the housing (20) is stopped; and a rinsing step of, after the pressurizing step, passing a fluid through the filter (21) from the secondary side to the primary side while the supply of the raw water into the housing (20) is stopped.

IPC 8 full level

B01D 29/11 (2006.01); **B01D 24/48** (2006.01); **B01D 29/50** (2006.01); **B01D 29/60** (2006.01); **B01D 29/66** (2006.01); **B01D 65/02** (2006.01); **B63B 13/00** (2006.01); **C02F 1/00** (2006.01)

CPC (source: EP KR US)

B01D 24/48 (2013.01 - KR); **B01D 29/11** (2013.01 - KR US); **B01D 29/216** (2013.01 - EP US); **B01D 29/50** (2013.01 - KR); **B01D 29/52** (2013.01 - EP US); **B01D 29/60** (2013.01 - KR); **B01D 29/606** (2013.01 - EP US); **B01D 29/66** (2013.01 - EP KR US); **B01D 35/0273** (2013.01 - EP US); **B01D 35/12** (2013.01 - EP US); **B01D 65/02** (2013.01 - EP KR US); **B63B 13/00** (2013.01 - EP KR US); **B63J 4/002** (2013.01 - US); **C02F 1/00** (2013.01 - EP US); **C02F 1/001** (2013.01 - KR); **C02F 1/004** (2013.01 - EP US); **B01D 2201/182** (2013.01 - EP US); **B01D 2201/54** (2013.01 - EP US); **C02F 2103/008** (2013.01 - EP US); **C02F 2201/005** (2013.01 - US); **C02F 2209/03** (2013.01 - US); **C02F 2303/16** (2013.01 - US)

Cited by

CN114717012A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3266508 A1 20180110; **EP 3266508 A4 20181031**; **EP 3266508 B1 20211215**; CN 107427747 A 20171201; JP 6652958 B2 20200226; JP WO2016140009 A1 20180118; KR 102062968 B1 20200106; KR 20170119706 A 20171027; US 10500527 B2 20191210; US 2018050290 A1 20180222; WO 2016140009 A1 20160909

DOCDB simple family (application)

EP 16758704 A 20160203; CN 201680013708 A 20160203; JP 2016053288 W 20160203; JP 2017503382 A 20160203; KR 20177026808 A 20160203; US 201615555226 A 20160203